

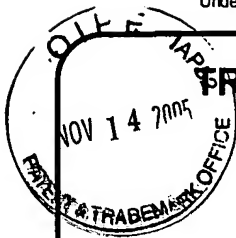
1084 Rec'd PCT/PTO 14 NOV 2005

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/524,752
Filing Date	July 7, 2005
First Named Inventor	Georg Werner Reppel
Art Unit	1742
Examiner Name	
Attorney Docket Number	47192/312177

ENCLOSURES (check all that apply)

- | | | |
|---|--|---|
| <input type="checkbox"/> Fee Transmittal Form
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<input type="checkbox"/> Amendment / Reply
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<input type="checkbox"/> Affidavits/declaration(s)
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<input type="checkbox"/> Express Abandonment Request
<input type="checkbox"/> Information Disclosure Statement
<input type="checkbox"/> Certified Copy of Priority Document(s)
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<input type="checkbox"/> Reply to Missing Parts under 37 CFR1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a Provisional Application
<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) _____
<input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Request for Issuance of a Corrected Filing Receipt |
|---|--|---|

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm	Kilpatrick Stockton LLP		
Signature	<i>Dean W. Russell</i>		
Printed Name	Dean W. Russell		
Date	10 NOVEMBER 2005	Reg. No.	33,452

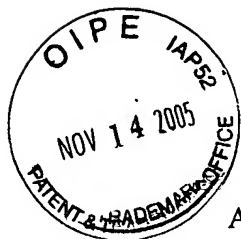
CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature	<i>Angela M. Rossi</i>		
Typed or printed name	Angela M. Rossi	Date	10 NOVEMBER 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

Applicants: Georg Werner REPPEL
Serial No.: 10/524,752 Examiner:
Filing Date: July 7, 2005 Group Art Unit: 1742
For: METHOD FOR THE PRODUCTION OF AN ANISOTROPIC
MAGNETIC POWDER AND A BONDED ANISOTROPIC
MAGNET PRODUCED THEREFROM

Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Attorney Docket No.: 47192/312177

Date: 10 NOVEMBER 2005

REQUEST FOR ISSUANCE OF A CORRECTED FILING RECEIPT

Sir:

Applicants respectfully request issuance of a corrected Filing Receipt in the above-identified patent application making the following correction.

Please correct the title to read:

--Method for the production of an **anisotropic** magnetic powder and a bonded anisotropic magnet produced therefrom--

Enclosed is a copy of the published PCT application which confirms the correct spelling of "anisotropic."

Respectfully submitted,

Dean W. Russell
Reg. No. 33,452

KILPATRICK STOCKTON LLP
1100 Peachtree Street, Suite 2800
Atlanta, Georgia 30309
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(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
10. Juni 2004 (10.06.2004)

PCT

(10) Internationale Veröffentlichungsnummer
WO 2004/049359 A1

(51) Internationale Patentklassifikation⁷: H01F 1/057

(21) Internationales Aktenzeichen: PCT/EP2003/013383

(22) Internationales Anmeldedatum:
27. November 2003 (27.11.2003)

(25) Einreichungssprache: Deutsch

(26) Veröffentlichungssprache: Deutsch

(30) Angaben zur Priorität:
102 55 604.0 28. November 2002 (28.11.2002) DE

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(72) Erfinder; und

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(81) Bestimmungsstaaten (national): JP, US.

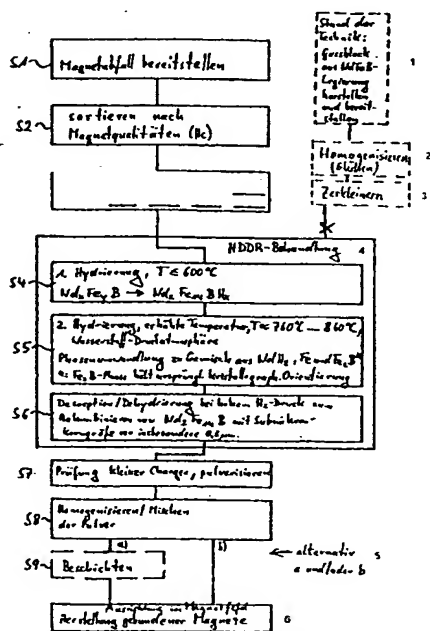
Veröffentlicht:

— mit internationalem Recherchenbericht
— vor Ablauf der für Änderungen der Ansprüche geltenden
Frist; Veröffentlichung wird wiederholt, falls Änderungen
eintreffen

[Fortsetzung auf der nächsten Seite]

(54) Title: METHOD FOR THE PRODUCTION OF AN ANISOTROPIC MAGNETIC POWDER AND A BONDED
ANISOTROPIC MAGNET PRODUCED THEREFROM

(54) Bezeichnung: VERFAHREN ZUM HERSTELLEN EINES ANISOTROPEN MAGNETPULVERS UND EINES GEBUNDE-
NEN ANISOTROPEN MAGNETEN DARAUS



1. STATE OF THE ART: RELEVANT AND MAKE AVAILABLE IN INDUSTRY OF AN H01F 1/057
2. HYDROGENATING: CALCIUM
3. CRYSTALLINE
4. NDDR-TREATMENT
5. ALTERNATIVELY TO A MAGNETIC
6. ORIENTATION IN THE MAGNETIC FIELD PRODUCTION OF BONDED MAGNET
7. PREPARE MAGNETIC CHARGES
8. SORTING, ACCORDING TO MAGNETIC QUALITIES (Hc)
9. HYDROGENATING, T < 600°C
10. HYDROGENATING, INCREASED TEMPERATURE, T < 760°C - 840°C, HYDROGEN ATMOSPHERIC PRESSURE
11. PHASE TRANSFORMATION INTO A MIXTURE OF Mg, Fe AND Fe2B
12. FE2B ORIGINALLY HAS CRYSTALLOGRAPHIC ORIENTATION
13. DESORPTION/DEHYDROGENATION AT HIGHER TEMPERATURE FOR RECOMBINING
14. H01F 1/057 BISH SUBMICRONIC PARTICLE SIZE OF APPROXIMATELY 0.3 µm
15. CHECKING SMALLER CHARGES, PULVERIZATION
16. HOMOGENIZATION USING THE POWDER
17. COATING

(57) Abstract: The invention relates to a method for the production of an anisotropic magnetic powder or a magnet produced from said powder, wherein a hydrogenating and dehydrogenating method is applied to the starting material in order to produce the powder. An anisotropic oriented magnetic material, more particularly magnetic scrap metal is advantageously used as starting material so that the complicated use of a molten mass with isotropic distribution of the c axes of the hard metal crystals is not required.

(57) Zusammenfassung: Die Erfindung bezieht sich auf ein Verfahren zum Herstellen eines anisotropen Magnetpulvers bzw. eines aus einem solchen Pulver hergestellten Magneten, wobei zur Herstellung des Pulvers ein Hydrier- und Dehydriervorgang auf das Ausgangsmaterial angewendet wird. Dabei wird vorteilhafterweise als Ausgangsmaterial auf ein anisotrop orientiertes Magnetmaterial, insbesondere Magnetschrott zurückgegriffen, so dass die aufwendige Verwendung einer Schmelze mit isotroper Verteilung der c-Achsen der hartmetallischen Kristalle nicht erforderlich ist.

WO 2004/049359 A1



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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 P.O. Box 1450
 Alexandria, Virginia 22313-1450
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/524,752	07/07/2005	1742	1080	47192/312177	3	21	2

23370
 JOHN S. PRATT, ESQ
 KILPATRICK STOCKTON, LLP
 1100 PEACHTREE STREET
 ATLANTA, GA 30309



CONFIRMATION NO. 6817

FILING RECEIPT



OC000000016660721

Date Mailed: 08/09/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Georg Werner Reppel, Hammersbach, GERMANY;

Power of Attorney: The patent practitioners associated with Customer Number 23370.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/EP03/13383 11/27/2003

Foreign Applications

GERMANY 102 55 604.0 11/28/2002

Projected Publication Date: 11/10/2005

Non-Publication Request: No

Early Publication Request: No

Title

Method for the production of an *anisotropic* magnetic powder and a bonded anisotropic magnet produced therefrom

RECEIVED

AUG 17 2005

DOCKETING

Docketed for: _____
 Entered on: 8/9/05
 Initials: KSH
 Previously Entered: _____

Preliminary Class

148

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/524,752	Georg Werner Reppel	47192/312177

INTERNATIONAL APPLICATION NO.
PCT/EP03/13383

I.A. FILING DATE	PRIORITY DATE
11/27/2003	11/28/2002

23370
 JOHN S. PRATT, ESQ
 KILPATRICK STOCKTON, LLP
 1100 PEACHTREE STREET
 ATLANTA, GA 30309

CONFIRMATION NO. 6817

371 ACCEPTANCE LETTER



OC000000016660722

Date Mailed: 08/09/2005

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

07/07/200507/07/2005

DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and
 (c)(4) REQUIREMENTS

DATE OF COMPLETION OF ALL 35 U.S.C. 371
 REQUIREMENTS

*A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 02/15/2005
- English Translation of the IA filed on 02/15/2005
- Copy of the International Search Report filed on 02/15/2005
- Preliminary Amendments filed on 02/15/2005
- Information Disclosure Statements filed on 05/18/2005
- Oath or Declaration filed on 07/07/2005
- U.S. Basic National Fees filed on 02/15/2005
- Priority Documents filed on 02/15/2005

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

VIRGINIA L IRBY

Telephone: (703) 308-9290 EXT 107

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FORM PCT/DO/EO/903 (371 Acceptance Notice)